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UNITED STATES DEPARTMENT OF AGRICULTURE,
FOREST SERVICE.

HENRY S. GRAVES, Forester.

January Field Program, 1918.

This program of field work and assignments in the Forest Service is issued quarterly, on the 15th day of July, October, January, and April, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all districts.

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Goat range study.—William R. Chapline, grazing examiner, Washington, D. C.

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SETTLEMENT.—F. L. HARVEY, in charge.

ENTRY SURVEYS.—ROBERT V. R. REYNOLDS, in charge.

BOUNDARIES.—B. L. WHEELER, in charge.

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FOREST MEASUREMENTS.—W. B. BARROWS.

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Cloquet Experiment Station in cooperation with the University of Minnesota.—W. H. Kenety, Cloquet, Minn.

FOREST PRODUCTS LABORATORY (in cooperation with the University of Wisconsin, Madison, Wis.).—CARLILE P. WINSLOW, director; O. M. BUTLER, assistant director; H. D. Tiemann, dry kiln specialist.

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Review of results.—Frank J. Hallauer, Ray C. Tuttle.

Lumber studies.—Henry V. Hegel, in charge; D. G. White.

DERIVED PRODUCTS.—Ernest Bateman, L. F. Hawley, Samuel A. Mahood, Howard N. Calderwood, Roland E. Kremers, E. C. Sherrard, P. H. Segnitz, H. M. Mayo.

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Studies.—J. T. Harris.

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LUMBER GRADES.—J. C. Nellis.

WOOD-WASTE EXCHANGE.—R. K. Helphenstine, jr.

STATISTICS OF FOREST PRODUCTS.—Franklin H. Smith, A. H. Pierson.

ENGINEERING.

O. C. MERRILL, chief engineer, in charge.

ROADS.—T. W. NORCROSS, assistant chief engineer, in charge.

WATER POWER.—L. A. WHITSIT, assistant engineer, in charge.

MAPS AND SURVEYS.—F. E. BONNER, assistant engineer, in charge;
C. A. KOLB, geographer.

ATLAS.—G. B. BRUCE.

DRAFTING.—J. M. WITHEROW.

ENGRAVING.—F. C. CRASS.

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SURVEYS.—F. E. BONNER.

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and party, Buena Vista, Va.; Massanutten and Potomac Areas, E. D. Clark and party, Woodstock, Va.; Georgia Area, L. H. Steffens, Blue Ridge, Ga.; Boone and Mount Mitchell Areas, R. J. Noyes and party, Marion, N. C.; Savannah Area, C. E. Beaumont (in charge of party), Clayton, Ga.; Nantahala Area, W. J. Damtoft (in charge of part) and George F. Greenleaf, Asheville, N. C.; Alabama Area, W. R. Barbour (in charge of party), Haleyville, Ala.

SURVEY OF LANDS.—**RUDOLPH DIEFFENBACH**, forest examiner in charge; Harold G. Wood, national forest examiner, Washington, D. C. Examiners of surveys: White Mountain Area, Carl F. Muzzey, Frederick A. Gardner, and J. W. Fox, Gorham, N. H.; Shenandoah Area, E. R. Conrad, Harrisonburg, Va.; Savannah Area, W. N. Sloan, Clayton, Ga.; Mount Mitchell Area, Dave M. Gibson, Marion, N. C.; Nantahala Area, James Denman, Asheville, N. C.; Pisgah Area, Walter H. Sullivan, Asheville, N. C.; Natural Bridge Area, Beverley M. Higginbotham, Buena Vista, Va.; Monongahela Area, Alfred R. Kinney, Elkins, W. Va.

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PRODUCTS.—H. N. KNOWLTON, engineer in forest products.

INSECT CONTROL.—LENTHALL WYMAN.

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GRAZING.—C. H. ADAMS, assistant district forester.

STUDIES.—L. C. HURTT and LEON H. WEYL, grazing examiners.

LANDS.—F. A. FENN, assistant district forester.

CLAIMS.—P. J. O'BRIEN.

SETTLEMENT.—J. W. STREIT.

LAND CLASSIFICATION.—C. B. SWIM, assistant.

ENGINEERING.—————.

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Drafting.—K. D. SWAN.

ROADS.—G. H. LAUTZ, in charge.

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- Bitterroot.**—W. W. WHITE, forest supervisor Missoula (WU-Am N) ; Mallory N. Stickney, deputy forest supervisor.
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- Sioux.**—See South Dakota.

SOUTH DAKOTA.

- Sioux.**—J. C. WHITMAN, forest supervisor, Camp Crook (WU via Bellefourche-WF via Marmarth, N. Dak.).

WASHINGTON.

- Kaniksu.**—J. F. FORSYTHE, forest supervisor, Newport, Wash. (WU via Priest River-Am, GN, via Priest River) ; A. J. Feary, deputy forest supervisor.

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Entry Surveys.—W. C. CAMPBELL.

ROADS.—R. E. PRATT, in charge.

WATER POWER.—————.

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- Hayden.—See Wyoming.
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- La Sal.—See Utah, District 4.
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- Superior.—LESLIE BROWNELL, forest supervisor, Ely (WU-GN); Chas. L. Cecil, deputy forest supervisor.

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WYOMING.

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Hayden.—JAMES BLACKHALL, forest supervisor, Encampment (WU, P-Am).

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Washakie.—C. G. POOLE, forest supervisor, Lander (WU-Am) ; E. T. Wolf, forest examiner.

DISTRICT 3.

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SILVICULTURE.—H. H. CHAPMAN, assistant district forester ; D. M. LANG, lumberman ; QUINCY RANDLES, forest examiner.

W. H. LONG, consulting pathologist, Albuquerque, N. Mex.

GRAZING.—JOHN KERR, assistant district forester ; E. N. KAVANAGH, inspector of grazing.

STUDIES.—R. R. HILL, MURRELL W. TALBOTT, HUGH M. BRYAN, and PAUL H. ROBERTS, grazing examiners.

LANDS.—FRANK C. W. POOLER, assistant district forester; FRANK E. ANDREWS, national forest examiner. Classification: REX KING and H. D. BURRALL, forest examiners. Entry surveys: R. P. A. JOHNSON, surveyor.

ENGINEERING.— ———.

ROADS.—C. A. LONG, acting.

WATER POWER.—C. A. LONG, acting.

MAPS AND SURVEYS.—LEE C. DAVES, acting.

EXPERIMENT STATION.

Fort Valley, Coconino National Forest.—G. A. PEARSON, forest examiner, in charge, Flagstaff, Ariz.

NATIONAL FORESTS.

ARIZONA.

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Coconino.—RAYMOND E. MARSH, forest supervisor, Flagstaff (WU, P-WF); Robert J. Selkirk, deputy forest supervisor.

Coronado.—PAUL P. PITCHLYNN, forest supervisor, Tucson (WU-WF); H. Basil Wales, forest examiner.

Crook.—T. T. SWIFT, forest supervisor, Safford (WU-WF).

Prescott.—EDWARD G. MILLER, forest supervisor, Prescott (WU-WF); J. C. McNelty, deputy forest supervisor.

Sitgreaves.—T. C. HOYT, forest supervisor, Snowflake (P-WF).

Tonto.—W. H. GODDARD, forest supervisor, Roosevelt (WU-WF); J. H. Sizer, deputy forest supervisor.

Tusayan.—IRA T. YARNALL, forest supervisor, Williams (WU, P-WF).

GRAND CANYON NATIONAL MONUMENT.—T. EARL WYLDER, deputy forest supervisor, Grand Canyon (P-WF).

NEW MEXICO.

Carson.—ELLIOTT S. BARKER, forest supervisor, Taos (WU-G); Edward P. Ancona, deputy forest supervisor.

Coronado.—See Arizona.

Datil.—AUSBURN H. DOUGLAS, forest supervisor, Magdalena (WU, P-WF); Robert Munro, deputy forest supervisor.

Gila.—O. F. ARTHUR, forest supervisor, Silver City (WU, P-WF); James A. Scott, deputy forest supervisor. Fort Bayard Nursery, H. C. Turner, forest planting assistant.

Lincoln.—CHARLES H. JENNINGS, forest supervisor, Alamogordo (WU-WF) ; William J. Anderson, deputy forest supervisor ; J. Wilbur O'Byrne and Marinus Westveld, forest examiners.

Manzano.—JAMES F. MULLEN, forest supervisor, Albuquerque (WU, P-WF).

Santa Fe.—JOSEPH C. KIRCHER, forest supervisor, Santa Fe (WU, P-G, WF) ; Earl W. Loveridge, deputy forest supervisor ; Gordon T. Backus, forest examiner. Las Gallinas Nursery, Herman Krauch, forest examiner.

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GRAZING.—HOMER E. FENN, assistant district forester ; ERNEST WINKLER, inspector of grazing.

STUDIES.—MARK ANDERSON, R. J. BECRAFT, and L. J. PALMER, grazing examiners.

LANDS.—C. N. WOODS, assistant district forester ; R. E. GERY, assistant ; W. B. RICE, in charge of land classification ; R. D. GARVER, in charge of entry surveys.

RESEARCH.—C. F. KORSTIAN, forest examiner, in charge.

ENGINEERING.—J. P. MARTIN, district engineer.

MAPS AND SURVEYS.—

Drafting.—F. I. SHAFER, in charge.

ROADS.—J. P. MARTIN, in charge.

WATER POWER.—J. P. MARTIN, in charge.

EXPERIMENT STATION.

Utah, Manti National Forest.—ARTHUR W. SAMPSON, plant ecologist, in charge; F. S. Baker, forest examiner, Ephraim, Utah.

NATIONAL FORESTS.

ARIZONA.

Dixie.—See Utah.

Kaibab.—LEE A. HARRIS, forest supervisor, Kanab, Utah (WU-WF).

IDAHO.

Boise.—E. GRANDJEAN, forest supervisor, Boise (WU-Am).

Cache.—See Utah.

Caribou.—C. D. SIMPSON, forest supervisor, Montpelier (WU-Am); G. G. Henderson, deputy forest supervisor; T. B. Nichols, grazing studies.

Challis.—DAVID LAING, forest supervisor, Challis (WU-Am).

Idaho.—WALTER G. MANN, forest supervisor, McCall (WU-P); J. C. Roak, deputy forest supervisor.

Lemhi.—VERNON METCALF, forest supervisor, Mackay (WU-Am); C. E. Evans, forest examiner.

Minidoka.—W. M. CAMPBELL, forest supervisor, Burley (WU-Am); J. W. Stokes, forest examiner.

Payette.—GUY B. MAINS, forest supervisor, Emmett (WU-Am); F. S. Moore, deputy forest supervisor.

Salmon.—DANA PARKINSON, forest supervisor, Salmon (WU-Am); S. C. Scribner, deputy forest supervisor.

Sawtooth.—HERBERT G. MCPHETERS, forest supervisor, Hailey (WU-Am); Leslie E. Dodge, deputy forest supervisor.

Targhee.—SAM'L W. STODDARD, forest supervisor, St. Anthony (WU-Am); John N. Kinney, deputy forest supervisor.

Weiser.—J. B. LAFFERTY, forest supervisor Weiser (WU-Am); T. V. Pearson, deputy forest supervisor.

NEVADA.

Humbolt.—CLARENCE E. FAVRE, forest supervisor, Elko (WU-WF); Chas. DeMoisy, deputy forest supervisor.

Nevada.—F. L. MOTT, forest supervisor, Ely (WU-WF).

Toiyabe.—W. W. BLAKESLEE, forest supervisor, Austin (WU, P-WF); Raymond G. Steele, deputy forest supervisor, Manhattan.

UTAH.

Ashley.—W. M. ANDERSON, forest supervisor, Vernal (WU-WF).

Cache.—E. C. SHEPARD, forest supervisor, Logan, (WU-Am); Edmund B. S. Spencer, deputy forest supervisor.

- Dixie.**—WM. M. MACE, forest supervisor, St. George (WU-WF).
Fillmore.—JOHN RAPHAEL, forest supervisor, Richfield (WU-WF) ; Bert L. Robins, deputy forest supervisor.
Fishlake.—C. A. MATTSSON, forest supervisor, Salina (WU-WF) ; David A. Arrivee, deputy forest supervisor.
La Sal.—S. B. LOCKE, forest supervisor, Moab (WU-WF).
Manti.—B. E. MATTSSON, forest supervisor, Ephraim (WU-WF).
Minidoka.—See Idaho.
Powell.—GEO. H. BARNEY, forest supervisor, Escalante (WU-WF).
Sevier.—J. W. HUMPHREY, forest supervisor, Panguitch (WU-WF) ; Wallace M. Riddle, deputy forest supervisor.
Uinta.—A. W. JENSEN, forest supervisor, Provo (WU-WF) ; J. Carl Allred, deputy forest supervisor.
Wasatch.—CARL B. ARENTSON, forest supervisor, Salt Lake City (WU, P-Am, WF) ; Louis B. Koch, scaler, in charge of Standard Timber Co. sale ; Jno. E. Ingram, forest examiner.

WYOMING.

- Teton.**—R. E. MILLER, forest supervisor, Jackson (WU-Am).
Wyoming.—CHARLES A. BEAM, forest supervisor, Afton (WU-Am) ; Nils B. Eckbo, forest examiner.

DISTRICT 5.

California and southwestern Nevada. Office, 114 Sansome Street, San Francisco, Cal.

ROY HEADLEY, acting district forester.

INFORMATION.—L. H. WHITEMAN, in charge.

LAW.—Office of the Solicitor (Forest Service branch). H. P. DECHANT, assistant to the solicitor, in charge.

ACCOUNTS.—A. W. SMITH, district fiscal agent.

OPERATION.—CLARENCE WILEY, national forest inspector, in charge.

FIRE PROTECTION.—

IMPROVEMENTS.—

TELEPHONE ENGINEERING.—FREDERICK H. HAFLEY, telephone engineer.

MAINTENANCE.—FRANK HAYNIE.

SILVICULTURE.—T. D. WOODBURY, assistant district forester.

LOGGING ENGINEERING.—D. C. BIRCH, forest examiner.

TIMBER SALES.—J. C. ELLIOTT, lumberman.

TIMBER SURVEYS.—O. M. EVANS, forest examiner.

FOREST INVESTIGATIONS.—EDWARD N. MUNNS, forest examiner, Los Angeles, Cal. (care Forest Service) ; STUART B. SHOW, forest examiner.

INSECT CONTROL.—RALPH HOPPING, national forest examiner.

FOREST PATHOLOGY.—E. P. MEINECKE, consulting pathologist; R. A. STUDHALTER, assistant pathologist.

GRAZING.—C. E. RACHFORD, assistant district forester.

STUDIES.—F. D. DOUTHITT, grazing examiner.

LANDS.—L. A. BARRETT, assistant district forester; CHAS. S. BROTHERS, national forest inspector.

MINERAL EXAMINATION.—W. H. FRIEDHOFF, mineral examiner.

LAND CLASSIFICATION AND ENTRY SURVEYS.—P. L. DAY, national forest examiner in charge of field work.

ENGINEERING.—F. H. FOWLER, district engineer; J. C. DORT, assistant district engineer.

WATER POWER.—F. H. FOWLER.

MAPS AND SURVEYS.—J. C. DORT.

Drafting.—R. E. L. BORGFELDT.

PRODUCTS.—CARY L. HILL, forest examiner, acting in charge.

NATIONAL FORESTS.

CALIFORNIA.

Angeles.—R. H. CHARLTON, forest supervisor, Los Angeles (WU, P-WF).

California.—J. D. COFFMAN, forest supervisor, Oriental (WU via Wil-lows-WF via Fruto); B. H. Mace, deputy forest super-visor.

Cleveland.—N. H. SLOANE, forest supervisor, Escondido (WU-WF).

Eldorado.—EDWARD I. KOTOK, forest supervisor, Placerville (WU-WF).

Inyo.—C. E. JORDAN, forest supervisor, Bishop (WU-WF).

Klamath.—W. B. RIDER, forest supervisor, Yreka (WU-WF).

Lassen.—JAMES O. MORROW, forest supervisor, Red Bluff (P-WF).

Modoc.—W. G. DURBIN, forest supervisor, Alturas (WU-WF).

Mono.—See Nevada.

Monterey.—HAMILTON G. MERRILL, forest supervisor, King City (WU-WF).

Plumas.—D. N. ROGERS, forest supervisor, Quincy (WU-Am); Frank B. Cayot, deputy forest supervisor; George R. Orr, forest examiner.

Santa Barbara.—J. R. HALL, forest supervisor, Santa Barbara (P-WF).

Sequoia.—S. W. WYNNE, forest supervisor, Bakersfield (WU-WF); F. P. Cunningham, deputy forest supervisor; George W. Lyons, forest examiner.

Shasta.—R. F. HAMMATT, forest supervisor, Sisson (P-WF); E. B. Long, lumberman; Belknap C. Goldsmith, forest examiner. Pilgrim Creek Nursery.

- Sierra.**—M. A. BENEDICT, forest supervisor Northfork (WU via Friant-WF via Friant); J. V. Wulff, forest examiner.
- Stanislaus.**—R. W. AYERS, forest supervisor, Sonora (WU-WF); T. C. West, deputy forest supervisor; M. R. Tillotson, deputy forest supervisor, timber sales.
- Tahoe.**—R. L. P. BIGELOW, forest supervisor, Nevada City (WU-WF); W. A. Merrill, deputy forest supervisor.
- Trinity.**—W. A. HUESTIS, forest supervisor, Weaverville (WU-WF); Ernst V. Jotter, forest examiner.

NEVADA.

- Eldorado.**—See California.
- Inyo.**—See California.
- Mono.**—WM. M. MAULE, forest supervisor, Gardnerville (WU-WF).
- Tahoe.**—See California.

DISTRICT 6.

Washington, Oregon, and Alaska. Office, Beck Building, Portland, Oreg.

GEO. H. CECIL, district forester; A. G. JACKSON, education.

LAW.—Office of the Solicitor (Forest Service branch). W. F. STALEY, assistant to the solicitor, in charge.

ACCOUNTS.—H. I. LOVING, district fiscal agent.

OPERATION.—C. H. FLORY, assistant district forester; M. L. MERRITT, assistant in improvement work; C. M. ALLEN, telephone engineer.

MAINTENANCE.—H. M. WHITE.

INSPECTION (Protection of Oregon & California Railroad lands and cooperation under Weeks law).—R. H. CHAPLER, forest examiner.

SILVICULTURE.—THORNTON T. MUNGER, forest examiner, in charge; W. T. ANDREWS, logging engineer; L. A. NELSON and EDWIN C. ERICKSON, lumbermen; BRUCE E. HOFFMANN, G. A. BRIGHT, and A. A. GRIFFIN, forest examiners; A. J. JAENICKE, forest examiner on insect control.

PLANTING.—J. F. KÜMMEL and W. H. LEVE, forest examiners.

GRAZING.—T. P. MACKENZIE, assistant district forester; J. L. PETERSON, grazing examiner.

LANDS.—C. J. BUCK, assistant district forester.

BOUNDARIES AND USES.—C. J. BUCK.

CLAIMS AND STATIONS.—FRANK A. LAW, Jr., clerk.

LAND CLASSIFICATION.—J. ROY HARVEY, national forest examiner.

SETTLEMENT.—A. H. WRIGHT, national forest examiner.

ENTRY SURVEYS.—W. M. H. WOODWARD and GEO. W. ROOT.

WASHINGTON STATE LAND EXCHANGE.—STANTON G. SMITH, forest supervisor, Seattle; WM. RYLE TEED, national forest examiner, State House, Olympia, Wash.

ENGINEERING.— ———.

MAPS AND SURVEYS.—A. H. HODGSON, in charge.

Drafting.—R. H. ROBERTSON.

Surveys.—CECIL A. LORD.

WATER POWER.—R. R. RANDELL, acting.

PRODUCTS.— ———.

EXPERIMENT STATION.

Wind River, Columbia National Forest.—JULIUS V. HOFMANN, forest examiner, in charge, Stabler, Wash.

NATIONAL FORESTS.

ALASKA.

Chugach.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); Thomas M. Hunt, forest supervisor, Seward (WU, P-WF).

Tongass.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); George L. Drake, deputy forest supervisor; R. E. Kan Smith, forest examiner.

OREGON.

Cascade.—C. R. SEITZ, forest supervisor, Eugene (WU, P-WF); B. F. Heintzleman, deputy forest supervisor; R. S. Wallace, forest examiner.

Crater.—M. L. ERICKSON, forest supervisor, Medford (WU, P-WF); H. D. Foster, deputy forest supervisor; Fred A. Matz, national forest examiner.

Deschutes.—NORMAN G. JACOBSON, forest supervisor, Bend (WU, P); H. E. Vincent, deputy forest supervisor; W. J. Sproat, forest examiner; F. V. Horton and John C. Kuhns, grazing examiners.

Fremont.—GILBERT D. BROWN, forest supervisor, Lakeview (WU via Reno, Nev-P, WF); R. A. Bradley, deputy forest supervisor.

Klamath.—See California.

Malheur.—CY. J. BINGHAM, forest supervisor. John Day (WU via Baker-Am, WF via Baker).

Minam.—EPHRAIM BARNES, forest supervisor, Baker (WU-Am).

Ochoco.—V. V. HARPAM, forest supervisor, Prineville (WU, PT & T-Am); Douglas C. Ingram, grazing examiner.

- Oregon.—T. H. SHERRARD, forest supervisor, Portland (WU, P-Am, WF, N); Ralph S. Shelley, deputy forest supervisor; Carl B. Neal and W. B. Osborne, forest examiners.
- Santiam.—C. C. HALL, forest supervisor, Albany (WU, P-WF); A. R. Wilcox, forest examiner.
- Siskiyou.—N. F. MACDUFF, forest supervisor, Grants Pass (WU, P-WF); D. B. Reynolds, deputy forest supervisor; H. A. Haefner, forest examiner.
- Siuslaw.—H. B. RANKIN, forest supervisor, Eugene (WU, P-WF); C. T. Beach, deputy forest supervisor; H. M. Johnson, forest examiner.
- Umatilla.—W. W. CRYDER, forest supervisor, Pendleton (WU, P-Am); F. V. Horton, grazing examiner.
- Umpqua.—S. C. BARTRUM, forest supervisor, Roseburg (WU, P-WF); George Bonebrake, deputy forest supervisor.
- Wallowa.—H. W. HARRIS, forest supervisor, Wallowa (WU-Am); N. J. Billings, deputy forest supervisor.
- Wenaha.—See Washington.
- Whitman.—R. M. EVANS, forest supervisor, Baker (WU-Am); I. E. Jones, deputy forest supervisor; O. F. Ericson and T. J. Starker, forest examiners; Walker L. Dutton, grazing examiner.

WASHINGTON.

- Chelan.—E. H. MACDANIELS, forest supervisor, Chelan (P-T & T-Am, GN via Wenatchee).
- Columbia.—F. H. BRUNDAGE, forest supervisor, Portland, Oreg. (WU, P-Am; WF, N); L. Wernsted, forest examiner.
- Colville.—C. C. REID, forest supervisor, Republic (WU, P-Am, GN); F. W. Cleator, deputy forest supervisor.
- Okanogan.—P. T. HARRIS, forest supervisor, Okanogan (PT & T-Am, GN via Wenatchee); L. E. McDaniels, deputy forest supervisor.
- Olympic.—R. L. FROMME, forest supervisor, Olympia (WU, P-Am, GN, N); A. A. Parker, deputy forest supervisor; E. J. Hanzlik, forest examiner.
- Rainier.—G. F. ALLEN, forest supervisor, Tacoma (WU, P-Am, N); E. J. Fenby, deputy forest supervisor; F. B. Kellogg, forest examiner.
- Snoqualmie.—STANTON G. SMITH, forest supervisor, Seattle (WU, P-N, GN, WF); Lewis A. Treen, jr., deputy forest supervisor.
- Washington.—C. H. PARK, forest supervisor, Bellingham (WU, P-Am, GN, N); R. L. Campbell, deputy forest supervisor.
- Wenaha.—J. M. SCHMITZ, forest supervisor, Walla Walla (WU-Am, N).
- Wenatchee.—A. H. SYLVESTER, forest supervisor, Leavenworth (WU-Am, GN); Robert Craig, jr., deputy forest supervisor.

DISTRICT 7.

Arkansas, Alabama, Florida, Oklahoma, South Carolina, Georgia, North Carolina, Tennessee, Virginia, West Virginia, New Hampshire, Maine, Porto Rico. Office, Atlantic Building, Washington, D. C.

F. W. REED, acting district forester.

OPERATION.—H. O. STABLER, assistant district forester.

SILVICULTURE.—F. W. REED, assistant district forester.

GRAZING.—C. L. SMITH, national forest examiner.

LANDS.—F. W. REED, assistant district forester; W. F. HILL, land classification.

ENGINEERING.—H. O. STABLER, assistant district forester.

NATIONAL FORESTS.

ARKANSAS.

Arkansas.—R. C. HUEY, forest supervisor, Hot Springs (WU, P-WF, P).

Ozark.—C. J. HELLER, forest supervisor, Harrison (WU-WF).

FLORIDA.

Florida.—L. L. BISHOP, forest supervisor, Pensacola, Fla. (WU, P).

OKLAHOMA.

Wichita.—FRANK RUSH, forest supervisor, Cache (WU-WF).

PORTO RICO.

Luquillo.—E. MURRAY BRUNER, forest supervisor, Rio Piedras.

PURCHASE AREAS.

Alabama.—W. R. BARBOUR, forest examiner, in charge, Moulton, Ala.

Cherokee-Georgia.—H. G. SPAHR, forest examiner, in charge, Blue Ridge, Ga. (WU, P-Ad).

Monogahela.—H. L. JOHNSON, deputy forest supervisor, Elkins, W. Va. (WU, P-Ad).

Natural Bridge.—J. H. FAHRENBACH, forest examiner, in charge, Buena Vista, Va. (WU, P-Ad, So).

Pisgah (includes Boone, Mount Mitchell, north half of Nantahala, and Pisgah purchase areas and Pisgah National Forest and Game Preserve).—VERNE RHOADES, forest supervisor, Asheville, N. C. (WU, P-So).

Savannah (includes south half of Nantahala and the Savannah purchase areas).—R. W. SHIELDS, forest examiner, in charge, Clayton, Ga. (WU, P-So).

Shenandoah (includes Shenandoah, Massanutten, and Potomac purchase areas).—S. H. MARSH, forest supervisor, Harrisonburg, Va. (WU, P-Ad, so).

Unaka.—E. P. BUSHNELL, forest examiner, in charge, Johnson City, Tenn. (WU, P-So).

White Top.—H. L. RUSSELL, deputy forest supervisor, Abingdon, Va. (WU, P-So).

White Mountain.—J. J. FRITZ, forest supervisor, Gorham, N. H. (WU, P-Am).

SERVICE CHANGES.

FURLOUGHED FOR MILITARY DUTY.

WASHINGTON OFFICE.—Seth C. Brady, messenger boy; Robert C. Brown, Acquisition, assistant forest ranger.

DISTRICT 1.—Walter R. Johns, forest ranger; William Vincent Evans, forest ranger, Absaroka; John S. Bowen, forest ranger, Beartooth; Henry Wold, forest clerk, Cabinet; Jacob Roeser, jr., forest assistant, Coeur d'Alene; Eugene R. McGlaughlin, forest assistant, Deerlodge; James H. Bosworth, forest ranger, Flathead; Ray L. Greathouse, forest ranger, Jefferson; Sylver J. White, forest ranger, Lewis and Clark; William W. Bennett, deputy forest supervisor, Lolo; William A. Schowe, forest ranger, Madison; Samuel Cook, forest ranger, Missoula; Thomas E. Norton, forest ranger, Sioux; John C. De Camp, forest ranger, Lands, district office; Harry N. Knowlton, assistant engineer in forest products, Products, district office; F. J. Cool, topographic draftsman, district office; S. T. Simons, draftsman, engineering, district office.

DISTRICT 2.—John E. Krause, forest ranger, Hayden; J. Ward Emerson, forest ranger, Montezuma; Karl L. Janouch, forest ranger, Nebraska; Joseph A. Sweeney, forest ranger, Nebraska; Jesse C. Russell, forest ranger, San Isabel; Oscar Leo Nelson, forest ranger, Shoshone.

DISTRICT 3.—Frank T. Murphey, forest examiner, Carson; Hugh O. Cassidy, forest ranger, Gila; George Mutz, forest ranger, Lincoln; Louis Henry Waters, forest ranger, Manzano; Frank D. Harris, forest ranger, Santa Fe; John V. Nevitt, forest ranger, Santa Fe; Joseph R. Calloway, forest ranger, Tonto; William Hackett, forest ranger, Tonto; Serrin S. Van Boskirk, forest ranger, Fort Valley Experiment Station.

DISTRICT 4.—William H. Drennon, draftsman, district office; Harold A. Chadderdon, forest ranger, Boise; Albert R. Griffith, forest ranger, Boise; Talmage D. Cowan, forest ranger, Targhee; Arthur G. Nord, forest ranger, Targhee.

DISTRICT 5.—Clarence W. Griggs, clerk (stenographer and typewriter), California; Archer E. Roberts, forest ranger, Cleveland; Albert W. Blair, forest ranger, Eldorado.

DISTRICT 6.—Willett F. Ramsdell, deputy forest supervisor; Lawrence B. Pagter, forest examiner; Frank B. Myers, forest assistant; Karl G. Meschke, forest assistant; N. Leroy Carey, forest assistant; Robert A. Zeller, forest assistant; Benjamin A. Eddy, forest ranger; Jules L. Hagon, forest ranger; Lee F. Chartrand, forest ranger; Rolland Huff, forest ranger.

APPOINTED.

LABORATORY.—Philip W. Codwise, Cecil V. Maudlin, Moritz L. Mueller, assistant engineers in forest products; Samuel A. Mahood, Earle C. Sherrard, chemists in forest products; Harold M. Mayo, assistant chemist in forest products; Eugene P. Connor, Arthur T. Jones, Benjamin J. Keyes, Kenneth E. Skidmore, Ben C. Switzky, Arthur B. White, laboratory helpers.

DISTRICT 1.—Francis L. Mackey, Pend Oreille, forest ranger; Harold L. Redlingshafer, Beaverhead, forest clerk; Miles L. Marsh, Absaroka, Mrs. Marie H. R. Clauson, St. Joe, Mrs. Ruby M. Brome, clerks (stenographers and typewriters); Fred W. Bussey, messenger boy.

DISTRICT 2.—Frieda M. Gruenstein, Black Hills; Ruth Phillips, Harney; M. Linda King, Leadville; Marie A. Bennett, Medicine Bow; Lillie M. Grubb, Rio Grande; Eva J. Crossman, Shoshone, clerks (stenographers and typewriters); Edward Wm. Johnson, San Isabel; R. Calvin Miller, Uncompahgre, forest rangers; Marguerite K. Schoder, clerk (stenographer and typewriter).

DISTRICT 3.—Anita Pearle Kellogg, Lincoln, clerk (stenographer and typewriter); Harry J. Atwell, Coconino (transferred from Indian Service), clerk; Audrey Bates, Datil; Lella LeMaster, Santa Fe; Mrs. Margaret Hiscox, Tonto, clerks (typewriters); Andrew J. Loftus, Tusayan, forest clerk; Cecil R. Heighes, messenger boy; Blanche I. Porterfield, clerk (stenographer and typewriter).

DISTRICT 4.—Alice H. Venable, Boise; Mary D. Beach, Cache; Vivian M. Gwin, Powell, clerks (stenographers and typewriters); Arthur L. Smith, Lemhi, forest ranger; Theresa B. Harris, Targhee, clerk (typewriter); Doris E. Chase, Ruth J. Mosteller, clerks (stenographers and typewriters).

DISTRICT 5.—Vivian L. Abercrombie, California; Florence G. Chamberlain, Stanislaus; Grace C. Farrell, Plumas, clerks (stenographers and typewriters); Kenneth L. Hosack, messenger boy.

DISTRICT 6.—Claude R. Altman, George E. Griffith, forest clerks; Luella M. Thompson, Alice E. Ure, clerks (stenographers and typewriters); John F. Campbell, forest ranger; George H. Sullivan, gas engineer; Oliver A. Barr, messenger boy.

PROMOTED IN RANK.

LABORATORY.—Harry D. Tiemann, from engineer in Forest Products to physicist and expert in kiln drying.

DISTRICT 1.—G. I. Porter, clerk to national forest inspector.

DISTRICT 2.—Earl W. Tinker, Black Hills, forest assistant to forest examiner; Thomas V. Keefe, Sopris, forest assistant to deputy forest supervisor; Crosby A. Hoar, Uncompahgre, forest examiner to deputy forest supervisor.

DISTRICT 4.—Walter G. Mann, Idaho; Samuel W. Stoddard, Salmon, deputy forest supervisors to forest supervisors; Sidney C. Scribner, Salmon, lumberman to deputy forest supervisor; Leslie E. Dodge, Sawtooth, forest ranger to deputy forest supervisor; John N. Kinney, Targhee, forest clerk to deputy forest supervisor; Lewis B. Koch, Wasatch, forest ranger to scaler; Chester B. Morse, forest supervisor, Targhee, to assistant district forester, district office.

DISTRICT 5.—Chester E. Jordan, Inyo, deputy forest supervisor to forest supervisor.

DISTRICT 6.—Norman G. Jacobson, forest examiner to forest supervisor; Vernon V. Harpham, deputy forest supervisor to forest supervisor; Harvey E. Vincent, forest ranger to deputy forest supervisor; Raymond H. Chapler, forest assistant to forest examiner; Grover C. Simmons, George Donaldson, Claude W. Waterbury, forest rangers to scalers.

DISTRICT 7.—Seward H. Marsh, Shenandoah; Charles J. Heller, Ozark; Loren L. Bishop, Florida, forest examiners to forest supervisors; Harold L. Russell, White Top, forest examiner to deputy forest supervisor.

CHANGE IN DESIGNATION.

DISTRICT 1.—Earl V. Storm, Jefferson, grazing assistant to forest ranger; A. J. Feary, lumberman to deputy forest supervisor; P. C. Kitchin, Kaniksu; Courtland S. Winn, jr., Sioux, forest assistants to forest rangers.

DISTRICT 2.—Charles Steuart, Montezuma; Clarence E. Taylor, San Isabel; Robert G. Schreck, Washakie, forest assistants to forest rangers.

DISTRICT 4.—Arthur McGregor, Boise, forest clerk to forest ranger; Sidney S. Stewart, deputy forest supervisor to forest examiner.

DISTRICT 6.—Charles H. Woodcock, logging engineer to scaler.

RESIGNED.

ACQUISITION.—Edward Braillove, forest assistant; Rodney D. Brown, transitman.

LABORATORY.—George L. Schwarts, Sidney Lunak, assistant chemists in Forest Products; Andrew K. Armstrong, engineer in Forest Products.

DISTRICT 1.—Carl H. Siria, Beaverhead; Arnold H. Lynn, Cabinet; Richard N. Bradley and Baigrie Sutherland, Flathead; Richard N. Moses, Nezperce; J. R. Winnington, Pend Oreille, forest rangers; Elva T. Crane, Kaniksu; Mrs. Edith C. Beale, Nezperce, clerks (stenographers and typewriters); C. D. Jones, St. Joe, forest clerk; Ferdinand A. Silcox, district forester; Donald R. Brewster and Ernest C. Rogers, forest examiners.

DISTRICT 2.—Harry C. Langston and John G. Brooks, Arapaho; Sheldon C. Barnum, Black Hills; Austin P. Russell, Bridger; Paul F. Barker, Colorado; Alfred L. Strawn and George Fleischman, Rio Grande; Leslie Alexander, San Isabel; Thomas E. Jacques and Henry L. Spencer, Uncompahgre, forest rangers; Thomas B. Haines, Hayden; Joseph G. McLeod, Montezuma; Ray W. Smith, San Juan; Daniel J. McNamara, Shoshone, forest clerks; Ruth H. Lockwood, Harney; Maude A. Thompson, Rio Grande; Regina T. Bermine, clerks (stenographers and typewriters).

DISTRICT 3.—Paul G. Redington, district forester; John P. Farnan, Mrs. Clara E. Hennrich, Rita Mathison, Rose M. Harsch, Evelyn R. Price, Lincoln, clerks (stenographers and typewriters); Leo F. Wolcott, Coconino; Ross Earl Fortney, Tusayan, forest clerks; Francis P. Porcher, Crook; Charles G. Baecht, Tusayan; Thomas B. Ruth, Prescott, forest rangers; Robert R. Moak, Manzano, scaler.

DISTRICT 4.—Arthur McGregor, Boise; James H. DeLong, Fillmore; John P. Brockbank, Manti; Parley Christiansen, Manti; Henry B. Webber, Salmon; Joseph Barnett, Uinta, forest rangers; Lawrence J. Phelan, Idaho, forest supervisor; Lawrence E. Horne, Caribou; Mrs. Lavina R. Barlow, clerks (stenographers and typewriters); George W. Goshen, clerk (typewriter); John A. Wheeler, jr., messenger boy; Edna B. Malan, draftsman.

DISTRICT 5.—Henry C. Smith, California; George L. Jeffrey, Plumas, clerks (stenographers and typewriters); Reese W. Taylor, Plumas; Louis T. Larsen, Tahoe, forest examiners; Alexander H. Hogue, Inyo, forest supervisor; Harvey R. Cheesman, Angeles; Charles W. Lee, Lassen, forest rangers; Lewis H. Bach, Stanislaus, forest clerk; Frederick H. Smith, national forest examiner; Vera M. Marston, Edward Vill, clerks (stenographers and typewriters).

DISTRICT 6.—Arthur F. Kerr, forest examiner; Charles W. Long, Joseph I. Steel, forest clerks; Grace M. Lee, clerk (stenographer and typewriter); Cornelius Barry, laboratory assistant; John H. Blinn, Charles A. Ross, forest rangers.

DISTRICT 7.—Ernest J. Mead and Seth E. Hopewell, Arkansas, deputy forest supervisors; John A. Shifflette, Shenandoah, forest ranger.

SUSPENDED.

DISTRICT 4.—Glidden J. Barstow, Wyoming, forest ranger.

DISTRICT 6.—Edward H. Mahn, forest ranger.

DISMISSED.

DISTRICT 5.—James W. Conway, clerk (bookkeeper).

With deep regret announcement is made of the death of Roy L. Walkup, forest ranger, California, October 20; and Scott McComb, forest ranger, Fremont, district 6.

SERVICE NOTES FOR JANUARY.

These notes contain instructions and necessary information to forest officers, and will therefore be carefully read and kept on file for reference.

EDITOR.

Agricultural Yearbook—

A limited supply of the Yearbook of the Department of Agriculture for 1917, which will be issued probably in April, 1918, is allotted to the Forest Service for its members. Copies will be supplied as in former years to district foresters and supervisors for their personal use. Other forest officers may have personal copies by sending their names to the Forester. Requests will be filed and filled in the order of their receipt as long as the supply lasts. Copies will be supplied as usual by the Library for district libraries.

GRAZING.

Grazing Preferences Must Not Be Sold.

The Secretary of Agriculture has issued a circular under date of January 2, 1918, notifying all permittees that the sale or transfer of grazing privileges for a consideration is contrary to the regulations and warning them that the payment of any bonus or the giving of any consideration to a permittee for the purpose of securing the filing of a waiver of the grazing privilege upon the National Forests is prohibited and will be sufficient cause for the revocation of permit or forfeiture of all grazing preferences based upon the purchase of permitted stock.

LAW.

OFFICE OF THE SOLICITOR.

Law Cases in District 1—

United States *v.* Chicago, Milwaukee & St. Paul Railway Co.; Special use permit, Coeur d'Alene National Forest. October 13, 1917, the railway company deposited to the credit of the United States the sum of \$89,264, of which \$68,489 was for damages and \$20,775 interest.

United States *v.* William Forster: Slacker. Case reported by Forest Service. October 3, 1917, Forster sentenced to three months in jail.

United States *v.* George Glead Estate: Grazing trespass, civil, Beaverhead National Forest. Case closed upon payment of \$152.88, value of forage consumed.

United States *v.* Lane Lumber Co.: Timber trespass, civil, Coeur d'Alene National Forest. Proceedings in bankruptcy; amount involved,

\$300. Upon report of referee in bankruptcy that funds were insufficient to reach the claim of the United States, the case was closed.

United States *v.* T. A. Lawrence: Embezzlement, Pend Oreille National Forest. Indictment dismissed by United States attorney upon recommendation of Forest Service.

United States *v.* Baltzar Termstrom and Harry Lucas: Conspiracy to defraud the United States, Lolo National Forest. Case tried at Butte before the Federal court November 10. Conspiracy charge dismissed, with instructions to remand Termstrom to custody of marshal. Thereafter Termstrom given hearing before United States commissioner and bound over to grand jury under bond of \$200.

United States *v.* Albert P. Wicks: Fire trespass, criminal, Madison National Forest. Information dismissed by United States attorney upon recommendation of Forest Service.

Law Cases in District 2—

United States *v.* I. N. Pepper: Breach of timber sale contract, Uncompahgre National Forest. Execution issued and judgment collected in the sum of \$42.06 damages and \$59.30 costs, total \$101.36.

United States *v.* Antone Usel: Grazing trespass, Sopris National Forest. Case closed on payment of \$15.75, the value of the forage.

United States *v.* Denis Henault: Occupancy trespass, Harney National Forest. Decree in favor of United States enjoining defendant from continuing to occupy and use National Forest lands withdrawn for ranger station site.

United States *v.* Hugh Clark: Occupancy trespass, Routt National Forest. Case closed on payment of \$6.25, rental value of land on account of previous occupancy.

United States *v.* Arameta Gammil and M. A. Gammil: Condemnation proceedings, Nebraska National Forest. Bill filed to secure through condemnation proceedings 15.37 acres of land needed in connection with the Bessey Nursery, Nebraska National Forest.

Law Cases in District 3—

United States *v.* C. C. Ritter: Grazing trespass, Tusayan National Forest. Case closed on payment of \$2.75, the value of the forage.

United States *v.* H. Z. Belue: Timber trespass, Coronado National Forest. Case closed on payment of \$12.80 damages.

United States *v.* Fritz Estate: Grazing trespass, Apache National Forest. Case closed on payment of \$457.50, the value of the forage.

United States *v.* Fred A. Stacy: Grazing trespass, Apache National Forest. Case closed on payment of \$132.50, the value of the forage.

United States *v.* J. W. Van Winkle: Grazing trespass, Alamo National Forest. Judgment for \$29.80, value of the forage, and case closed on payment of judgment with \$102.45, costs and interest.

United States v. C. L. Posey: Property trespass, Lincoln National Forest. Plea of guilty on information charging him with violation of Regulation T-6 (B) in burning an abandoned cabin on a ranger station. Case closed on payment of \$40 fine and costs of \$30.75.

United States v. King Bros.: Grazing trespass, Tusayan National Forest. Case closed on payment of \$33, the value of the forage.

Ralph H. Cameron v. W. W. Bass: Suit by claimant of cancelled mining claim to enjoin special use permittee from occupying a portion of the area formerly embraced in the location. November 8, 1917, the Supreme Court of Arizona affirmed judgment of the superior court, Coconino County, dismissing complaint. Now pending on motion for rehearing.

State of Arizona v. J. H. Silvester: Criminal prosecution for libel of a forest officer. Defendant waived preliminary hearing and bound over to superior court on bond of \$500. Continued to April term.

State of New Mexico v. A. W. Snyder: Fire trespass, Lincoln National Forest. Criminal prosecution for arson in setting fire to boarding houses on National Forest lands. Preliminary hearing and defendant bound over to superior court on bond of \$1,500.

United States v. D. H. Lucas: Grazing trespass, Lincoln National Forest. Defendant indicted and case dismissed by agreement on payment of costs of \$27.67.

United States v. Fred Lucas: Grazing trespass, Lincoln National Forest. Plea of guilty and case closed on payment of fine of \$50 and costs of \$37.67.

United States v. W. C. Bell: Grazing trespass, Apache National Forest. Case closed on payment of \$45, the value of the forage.

United States v. D. H. Lucas & Sons: Grazing trespass, Lincoln National Forest. Case closed on payment of \$225, the value of the forage.

United States v. Belarmino Alire: Timber trespass, Carson National Forest. Plea of guilty and case closed on payment of fine of \$15 and costs of \$71.20.

United States v. Jack Brenner: Grazing trespass, Carson National Forest. Plea of guilty and case closed on payment of fine of \$50 and costs of \$30.95.

United States v. Gatlin & Stevenson Bros.: Grazing trespass, Apache National Forest. Case closed on payment of \$682.75, the value of the forage.

United States v. Procopio Pacheco: Grazing trespass, Lincoln National Forest. Case closed on payment of \$37.50, actual and punitive damages.

United States v. Babbitt & Charlebois: Grazing trespass, Tusayan National Forest. Case closed on payment of \$15, the value of the forage.

United States *v.* Juan Antonio Garcia: Grazing trespass, Manzano National Forest. Case closed on payment of \$19.50, the value of the forage.

United States *v.* Mrs. Martha B. Ament: Grazing trespass, Gila National Forest. Case closed on payment of \$10, the value of the forage.

United States *v.* Torbio Archuleta: Grazing trespass, Manzano National Forest. Case closed on payment of \$3.90, the value of the forage.

United States *v.* Iñ Branum: Grazing trespass, Lincoln National Forest. Case closed on payment of \$547.04, actual and punitive damages.

United States *v.* D. Kuykendall: Grazing trespass, Tonto National Forest. Judgment by default, and case closed on payment of \$35.94, value of the forage, and \$4.70 costs.

United States *v.* B. A. & N. J. Cameron: Occupancy trespass, Tusayan National Forest (Grand Canyon). Case closed on payment of fines, \$5 each, without costs.

Law Cases in District 4—

United States *v.* Frank Gartiez & Co.: Grazing trespass, Santa Rosa National Forest. Tried November 5 and 6, 1917, in United States District Court at Carson City, Nev. The jury returned a verdict for \$5.94 actual and \$100 punitive damages.

United States *v.* Thomas Tobin: Fire trespass, Salmon National Forest. Defendant was charged with burning a haystack and attempting to burn a barn on the Tendoy Ranger Station. The jury in the United States District Court at Pocatello, Idaho, on October 11 returned a verdict of not guilty.

United States *v.* William Smith: Grazing trespass, Fillmore National Forest. Amount of damages revised to \$37.25. Paid.

United States *v.* Louis Kunz and Louis Eschler: Grazing trespass, Caribou National Forest. Case closed on payment of \$12.25, the value of the forage.

United States *v.* John Skillern: Grazing trespass, Boise National Forest. Case closed on payment of \$48, the value of the forage.

United States *v.* O. M. Doubleday: Grazing trespass, Weiser National Forest. Case closed on payment of \$158.70, the value of the forage.

United States *v.* George Calvert: Grazing trespass, Ashley National Forest. Case closed on payment of \$81.84, the value of the forage.

United States *v.* William Jones et al.: Grazing trespass, Minidoka National Forest. Case closed on payment of \$909.04 (\$875.69 actual damages and \$33.35 costs).

United States *v.* W. C. Preston: Grazing trespass, Wasatch National Forest. The district attorney has reported the final payment on November 2, 1917, of the balance due on a judgment heretofore rendered against him. The total payment made, including judgment and

costs, is \$448.38. Of this \$415 had been previously reported as paid. Closed.

Law Cases in District 5—

United States *v.* W. J. Davis et al.: Fire trespass, California National Forest. Indictment returned by grand jury at Sacramento, Cal., November 12, 1917.

United States *v.* Ernest Bucknell: Property trespass, larceny, California National Forest. Indictment returned by grand jury at Sacramento, Cal., December 19, 1917.

United States *v.* Perry McDaniels: Grazing trespass, Modoc National Forest. Indictment returned by grand jury at Sacramento, Cal., December 19, 1917.

United States *v.* Kern River Co.: Occupancy trespass, Sequoia National Forest. Argument completed October 1 and 2, 1917, and amended bill in equity filed.

United States *v.* R. E. Danaher Pine Co.: Timber trespass, Eldorado National Forest. Payment of \$266.55 received in full settlement and case closed.

United States *v.* Hillhouse and Mayes: Grazing trespass, Modoc National Forest. Payment of \$60 received in full settlement and case closed.

United States *v.* Felice Leoni: Grazing trespass, Modoc National Forest. Case closed on payment of \$56.82, the value of the forage.

United States *v.* Nevada-California Power Co.: Timber trespass, Mono National Forest. Case closed on payment of \$135.30, representing settlement on an innocent basis.

United States *v.* Antone Joseph. Grazing trespass, Modoc National Forest. Case closed on payment of \$119.27, value of the forage.

Law Cases in District 6—

United States *v.* Hammond Lumber Co.: School section, suit to quiet title, Santiam National Forest. October 29 Judge Bean, of the United States District Court for Oregon, rendered a decision holding that the SE. $\frac{1}{4}$ sec. 36, T. 9 S., R. 5 E. was unsurveyed, although the south and east township lines had been surveyed and the quarter section corners established. Since interior survey of township had not been made prior to forest withdrawal, the Hammond Lumber Co. acquired no title by conveyance from the State.

United States *v.* Jake S. McCown: Contempt of court. October 29 defendant was fined \$25 and costs, amounting to approximately \$42, for violation of injunction of September 15 directing him to discontinue grazing trespass on the Oregon National Forest.

United States *v.* Thomas E. Marks: Occupancy trespass, Snoqualmie National Forest. Defendant was brought before the United States Court for the Western District of Washington November 27, and the

jury returned a verdict of not guilty. The court instructed the jury that in determining claimant's good faith they might take into consideration the fact that he had pending before the Interior Department a petition for the exercise of the supervisory authority of the Secretary. The court instructed the jury, however, that the claimant had no right on the land after service of the decision of the Secretary of the Interior denying his motion for a rehearing.

United States v. James York: Occupancy trespass, Tongass National Forest. December 8 received notice from the United States attorney, Juneau, Alaska, that the case had been closed on payment by the trespasser of the fine of \$25 a year for four years, during which time defendant had occupied Sumdum Island as a fox ranch.

United States v. Hartford & Eastern Railway Co.: Rates on logs, Snoqualmie National Forest. September 10 petition was filed with the Public Service Commission of Washington to require defendants to establish a rate on logs from certain points on its railroad to Hartford Junction with the Northern Pacific. Hearing held at Monte Cristo, Wash., December 1, and the defendants directed to establish rates requested.

United States v. Elmo Neil: Grazing trespass, Crater National Forest. November 9 trespasser paid \$9 actual damage and \$50 punitive damages. Case closed.

United States v. S. P. Beecher: Fire trespass, Wenatchee National Forest. December 10 trespasser plead guilty in the superior court of Chelan County and was fined \$10.

United States v. Thomas Nolan, Bob Solen, and E. A. Matson: Conspiracy to destroy property of the United States. The defendants were indicted October 31 by the Federal grand jury for the western district of Washington for conspiracy to violate sections 49 and 52 of the Penal Code and were tried before the United States court for said district December 13 to 18, inclusive. The jury returned a verdict of guilty. Sentence has not yet been passed. The action was instituted by the supervisor of the Snoqualmie National Forest and the Snow Creek Logging Co., purchasers of National Forest timber on the Olympic National Forest. The testimony showed that the defendants, members of the I. W. W., went to the Snow Creek logging camp August 22, where a severe fire had broken out July 14, and made such representations to the men who were fighting the fire that about one-half of the 40 men who remained after the strike of July 18 discontinued fighting fire and left on the following morning, after which the fire continued to burn for several weeks, destroying additional Government timber. The defense was that the men went to the camp for the purpose of informing the men that they should remain there and continue fighting the fire.

SERVICE PUBLICATIONS ISSUED.

Department Bulletin 544.—The Red Spruce.

Department Bulletin 545.—Important Range Plants: Their Life History and Forage Value.

Department Bulletin 567.—Increased Yield of Turpentine and Rosin from Double Chipping.

Department Bulletin 580.—Effects of Grazing upon Western Yellow-Pine Reproduction in the National Forests of Arizona and New Mexico.

Department Bulletin 588.—Increased Cattle Production on South-western Ranges.

Farmers' Bulletin 826.—Eradicating Tall Larkspur on Cattle Ranges in the National Forests.

Circular 79.—Office of the Secretary.—Emergency Fuel from the Farm Woodlot.

Separate, Journal of Agricultural Research.—Natural Reproduction from Seed Stored in the Forest Floor.

Unnumbered Publication.—Guide book for the Identification of Woods Used for Railway Ties.

Unnumbered Publication.—Homesteads in the National Forests.

Unnumbered Publication.—Report of the Forester, 1917.

CUMULATIVE INDEX TO SERVICE NOTES AND ORDERS.

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